ABSTRACT OF THE DISCLOSURE

A wireless local area network is disclosed which includes a plurality of wireless access points each having a predetermined coverage area, and a plurality of wireless clients for establishing a wireless link with at least one wireless access point. Some or all of the wireless clients are within the respective coverage areas of at least a portion of wireless access points. A load balancer is provided for balancing distribution of wireless clients among wireless access points. The load balancer includes a tracking implementation for tracking at least one telemetry parameter of each wireless client's wireless link with each respective wireless access point. A goal implementation is included for comparing one or more telemetry parameter against at least one predetermined goal to obtain a fitness measure. A control implementation is also provided for varying the operation of at least one of the respective wireless access points and wireless clients in response to the fitness measure, so as to balance the distribution of wireless clients among the respective wireless access points.